

## I. AMENDMENTS TO THE CLAIMS

Claims 1-27. (Canceled).

Claim 28. (Currently Amended) A method of treating ~~treating, preventing or treating and preventing~~ a disease selected from the group consisting of arthritis, tendonitis, phlebitis, psoriasis, acne, eczema, dermatitis, and wounds in a human or animal, the method comprising administering to said human or animal a pharmaceutically effective amount of a fish serine protease;

~~wherein said disease is a member selected from the group consisting of pain, acute inflammation, chronic inflammation, arthritis, inflamed joints, bursitis, osteoarthritis, rheumatoid arthritis, juvenile rheumatoid arthritis, septic arthritis, fibromyalgia, systemic lupus erythematosus, phlebitis, tendinitis, rash, psoriasis, acne, eczema, facial seborrheic eczema, eczema of the hands, face or neck, foreskin infections, athlete's foot, fistulae infections, infected topical ulcers, navel infections in newborns, wrinkles, scars, keloids, boils, warts and allergic itch, hemorrhoids, wounds, wound infections, wounds from burns and a fungal infection.~~

Claim 29. (Previously Presented) The method according to claim 28, wherein the proteinase is a trypsin.

Claim 30. (Previously Presented) The method according to claim 28, wherein the proteinase is administered topically.

Claim 31. (Previously Presented) The method according to claim 28, wherein the proteinase is administered gastroenterally.

Claims 32-39. (Canceled).

Claim 40. (Previously Presented) The method according to claim 28, wherein the proteinase is obtained from Atlantic cod.

Claim 41. (Previously Presented) The method according to claim 29, wherein the trypsin is obtained from Atlantic cod.

Claim 42. (Previously Presented) The method according to claim 41, wherein the trypsin is selected from the group consisting of trypsin I, trypsin II and trypsin III.

Claim 43. (Currently Amended) The method according to claim 29, wherein the trypsin has at least 90% amino acid sequence homology with any of trypsin I, trypsin II, or trypsin III derived from Atlantic cod.

Claim 44. (Previously Presented) A method of removing dead or peeling skin from otherwise healthy skin, comprising administering a pharmaceutically effective amount of a fish serine proteinase.

Claim 45. (Previously Presented) The method according to claim 44, wherein the proteinase is a trypsin.

Claim 46. (Previously Presented) The method according to claim 45, wherein the trypsin is obtained from Atlantic cod.

Claim 47. (Previously Presented) The method according to claim 46, wherein the trypsin is selected from the group consisting of trypsin I, trypsin II and trypsin III.

Claim 48. (Previously Presented) The method according to claim 45, wherein the trypsin has at least 90% amino acid sequence homology with any of trypsin I, trypsin II and trypsin III derived from Atlantic cod.

Claim 49. (Previously Presented) The method according to claim 44, wherein the proteinase is not multifunctional.

Claim 50. (Previously Presented) The method according to claim 44, wherein the proteinase is administered topically.